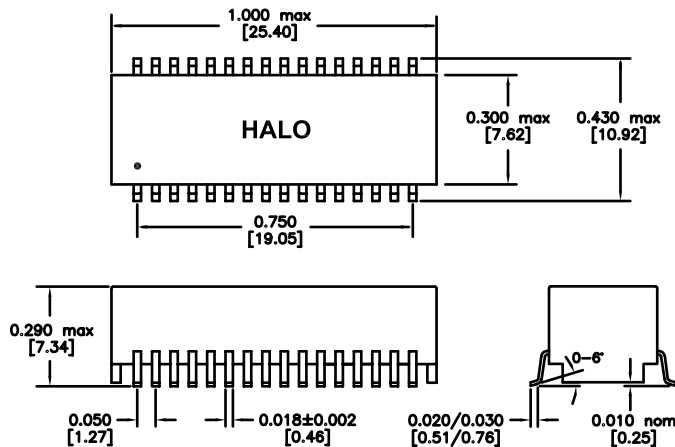


HALO Electronics has developed this proprietary quad port series to meet the isolation and impedance matching requirements for T1, E1, CEPT and PRI ISDN applications. UL1950, IEC950 and EN60950 recognized. Non-standard designs are also available.

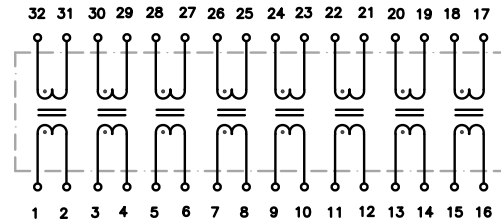


### NU Package



DIMENSIONS : Inch [mm]  
CO-PLANARITY : 0.004 [0.10]

### Schematic



#### Patented Construction

US Pat Nbrs: 5,656,985  
6,297,721 B1  
6,297,720 B1  
6,320,489 B1  
6,344,785 B1

#### Electrical Specifications @ 25°C

Isolation Voltage:	1,500 Vrms	Cw/w:	35pF Max.
OCL:	1.5mH Typ.	DCR (PRI):	0.8Ω Max.
Leakage Inductance:	0.5μH Max.	Operating Temp:	-40 to +85°C



RoHS compliant versions are available.  
Specify RoHS compliant product by adding the suffix "RL".

Part Number	Turns Ratio		Primary Pins
	PRI:SEC		
TG01-1505NU	1:1		1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16
TG05-1505NU	1:2		1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16
TG05-S001NU	1:2 & 1:2		32-31, 28-27, 24-23, 20-19 & 3-4, 7-8, 11-12, 15-16
TG37-1505NU	1:1.14		1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16
TG37-S001NU	1:1.14		1-2, 30-29, 5-6, 26-25, 9-10, 22-21, 13-14, 18-17
TG39-1505NU	1:1.15		1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16
TG83-1505NU	1:1 & 1:2		1-2, 5-6, 9-10, 13-14 & 3-4, 7-8, 11-12, 15-16
TG91-1505NU	1:2.4 & 1:1		1-2, 7-8, 9-10, 15-16 & 3-4, 5-6, 11-12, 13-14